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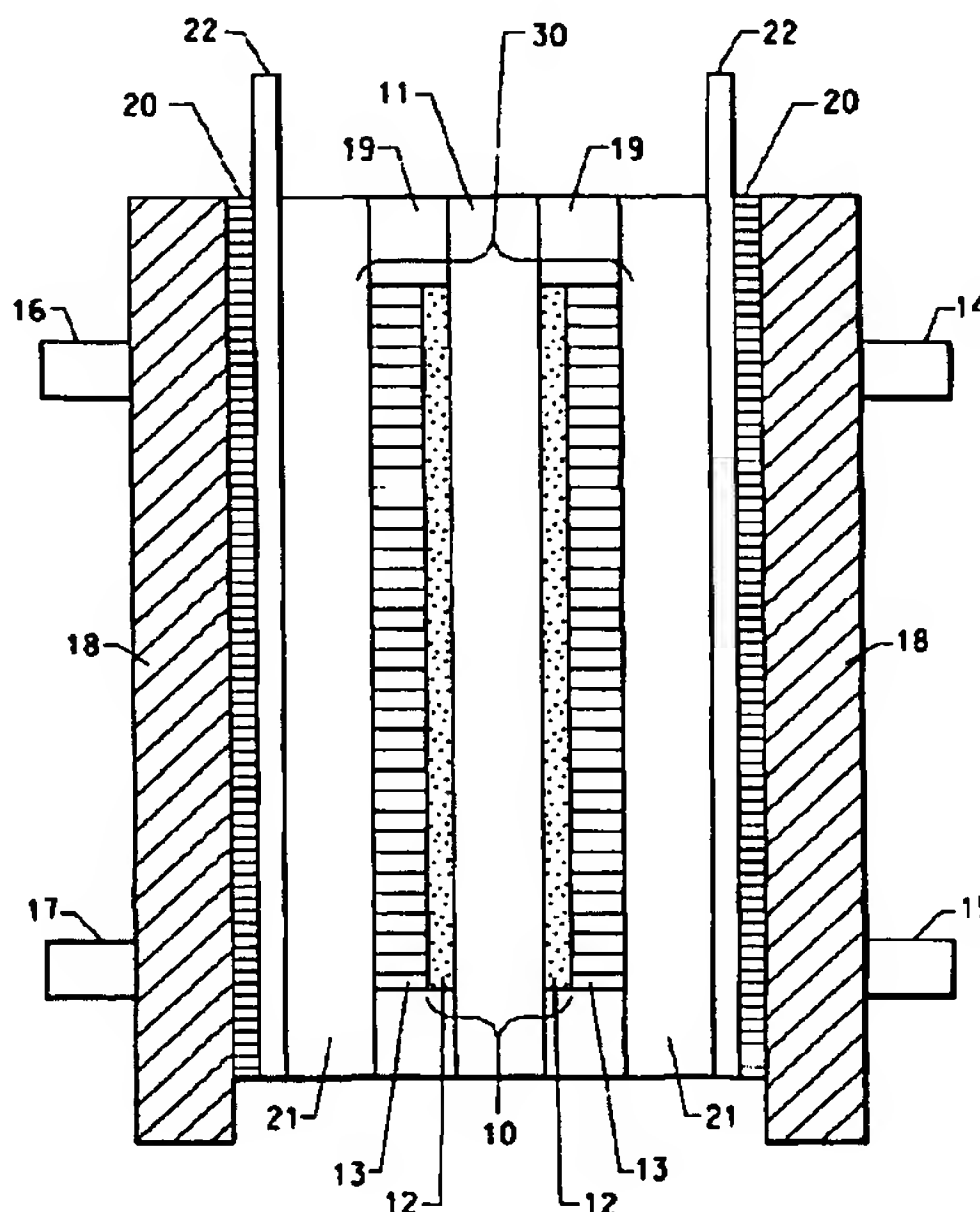
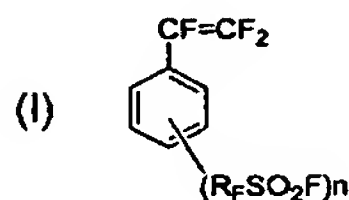
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(54) Title: TRIFLUOROSTYRENE CONTAINING COMPOUNDS, AND THEIR USE IN POLYMER ELECTROLYTE MEMBRANES



(57) Abstract: A monomer having the structure (I) wherein  $R_F$  is linear or branched perfluoroalkene group, optionally containing oxygen or chlorine; and  $n$  is 1 or 2. These monomers are used in the preparation of homopolymers and copolymers that are useful in preparing polymer electrolyte membranes. Electrochemical cells, such as fuel cells, containing these membranes are also described.



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